

Figure 1

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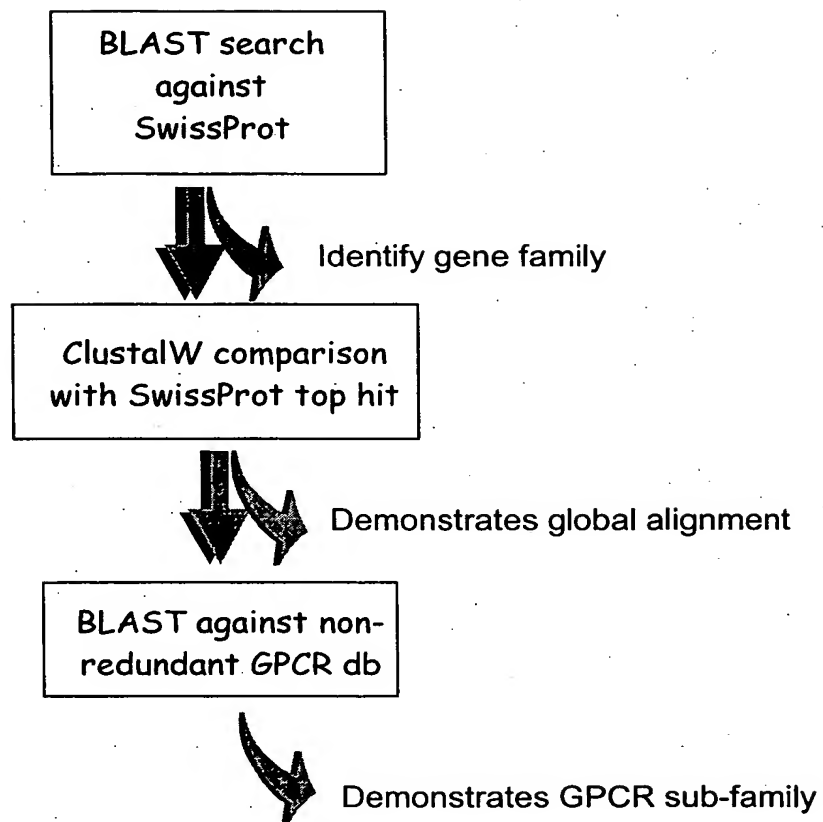


Figure 2

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ClustalW Alignment of PFI-020 with P2U purinoceptor 1 (P2U1)

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10 P2U1.. MAADLGPWNDTINGTWDGD---ELGYR-----CRFNEDFKYVLLPVSYGV
PFI-020.. MLSILLPSRGSRSRSGSRRGALLLEGASRDMEKVDMMNTSQEQGLCQFSEKYKQVYLSLAYSI
      * : * * ..: .*: * * * * : * : * : * : * : * : * :

15 P2U1.. VCVLGLCLNAVALYIFLCRLKTWNASTTYMFHLAVSDALYAASLPLLVIYYARGDHWPF
PFI-020.. IFILGLPLNGTVLWHSWGQTKRWSCATTYLVNLMVADLLYVL-LPFLIITYSLDDRWPFG
      : : * * * * * : : * * ..: * * : * : * * : * : * : * : * : * :

20 P2U1.. TVLCKLVRFIFYTNLYCSILFLTCSVHRCGLGVLRPLRSLRWGRARYARRVAGAVVVLVL
PFI-020.. ELLCKLVHFLFYINLYGSILLTCSVHQFLGVCHPLCSLPYRTRRHAWLGTSTTWALVV
      : * * * * * : * * * * : * * : * * * : * : * : * : * :

25 P2U1.. ACQAPVLYFVTTSARGGRVTCHDTSAPELFSRFVAYSSVMLGLLFAVPFVILVCYVLM
PFI-020.. LQLLPTLAFSHTDYINGQMIWYDMTSQENFDRLFAYGIVLTLSGFLSLLGHFGVLFDTGQ
      * . * * * . . * : : * : : * * : * * . * : * : * : * :

30 P2U1.. RRLLKPAYGTSGGLPRAKRKSVRTIAVVLAVFALCFLPFHVTRTLYYSFRSLDLSCHTLN
PFI-020.. ----EPDQ--ARGEPHEDRQ--HSPSQVHPDHPTGVWPLHPLFCALP-YHSLLLPHHLLS
      : * : * * : * : : : * . . . * : * : * * * : * : * :

35 P2U1.. AINMAYKVTRPLASANSCLDPVLYFLAGQRLVRFARDAKPPTGSPATPARRRLGLRRSD
PFI-020.. AFSG-----LPALDGSQCG-----L---QDMEASGECEQLPQ-PSPVLSFK-GGKNRVR
      * : . * * * * * : * : * : * : * : * * * . : * : *

P2U1.. RTDMQRIGDVLGSSSEDFRRTTESTPAGESNTKDIRL
PFI-020.. LLQKLRQ-NKLGEHPAGR--KRCP-G-LN----RS
      : * : * * * * : * * * * *

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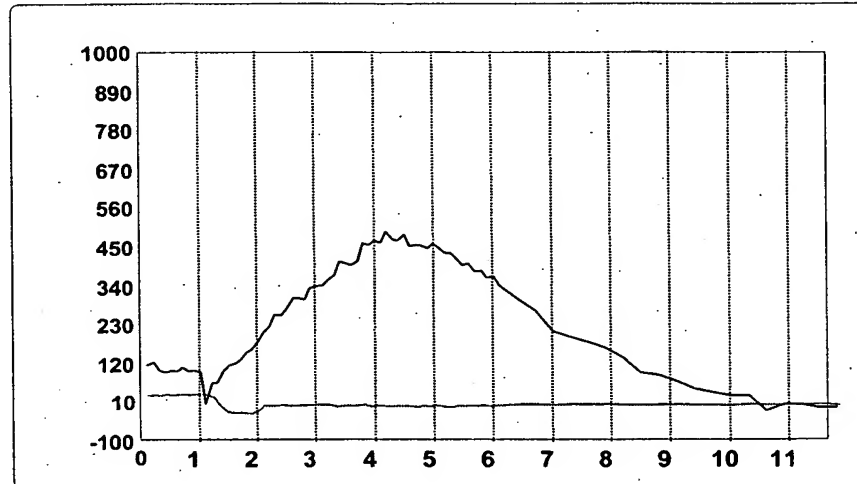
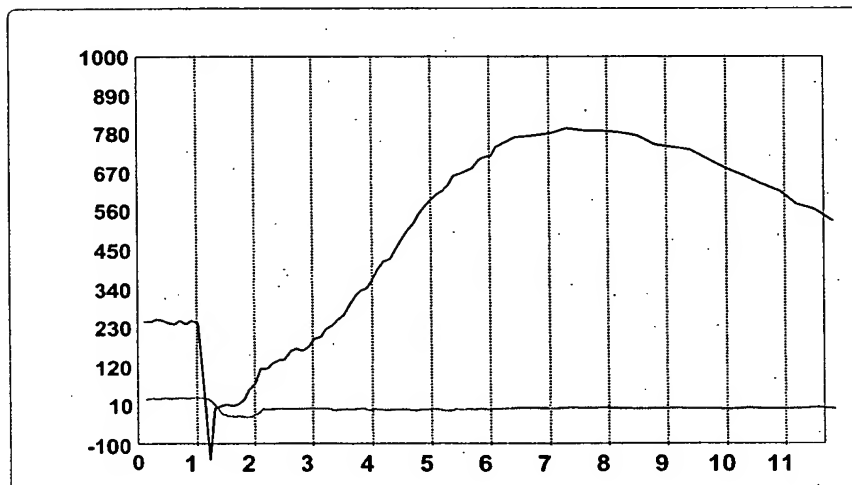
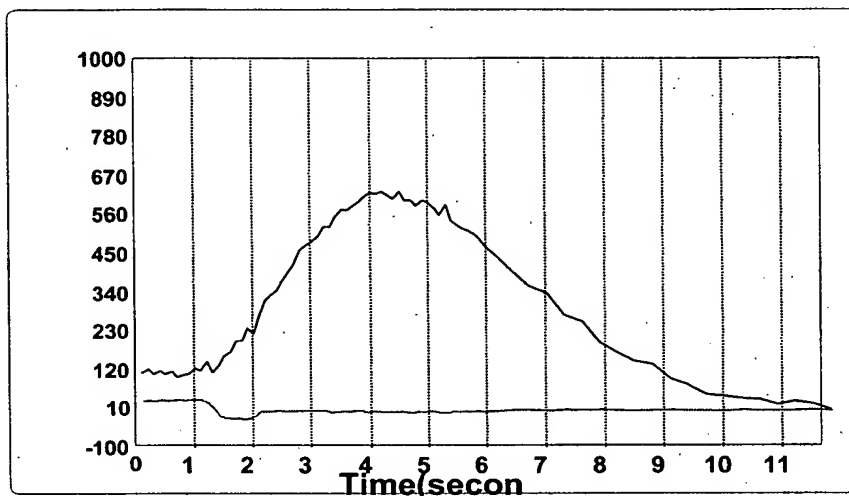
Figure 3: Stimulation of PFI-020 by 2-methyl-thio-ADP**Figure 4: Stimulation of PFI-020 by UTP**

Figure 5: Stimulation of PFI-020 by 2-chloro-ATP**Figure 6: Stimulation of PFI-020 by 2-methyl-thio-ATP**